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Applicant: DIGITAL EQUIPMENT
 CORPORATION
 111 Powdermill Road
 Maynard Massachusetts 01754-1418(US)

Inventor: Wilkinson III, Hugh M.14 Trowbridge Street

Newton, Massachusetts 02159(US)

Inventor: Varghese, George

6F Forest Acres

Bradford, Massachusetts 01835(US)

Inventor: Poole, Nigel T.

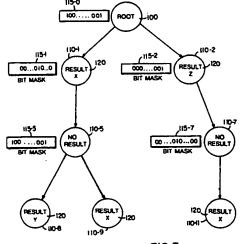
17 Homeward Lane
Natick, Massachusetts 01760(US)

Representative: Goodman, Christopher et al Eric Potter & Clarkson St. Mary's Court St. Mary's Gate Nottingham NG1 1LE(GB)

Compressed prefix matching database searching.

(57) Aspects of the invention include a method of conducting a reduced length search along a search path. A node which would otherwise occur between a previous and a following node in the search path is eliminated, and information is stored as to whether, had said eliminated node been present, the search would have proceeded to the following node. During the search, a search argument is compared with the stored information, and the search effectively progresses from the previous node directly to the following node if the comparison is positive. In preferred embodiments, some nodes provide result values for the search, and a node is eliminated only if its presence would not affect the result value for the search. In another aspect, the invention features a method of conducting a two mode search of reduced length. For a first mode of the search, nodes along a search path are provided, at least some of the nodes including one or more pointers pointing to other nodes. A search argument comprising a series of s arch segments is provid d, some values of segments of th argument corresponding to nodes along the search path, some other values of the segments relating to a second mode of the search. Indicators associated with nodes are provided, each indicator indicating the segments corr sponding to the second

mode. The search path is searched by processing successive search segments by inspecting the indicator associated with each node, and proceeding to the second search mode if the indicator indicates that the segment relates to the second mode.



EUROPEAN SEARCH REPORT

EP 90 30 6281

Category	Citation of document with in	DERED TO BE RELEVAN dication, where appropriate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. CL5)
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(ACM TRANSACTIONS ON DATABASE SYSTEM vol. 14, no. 1, March 1989, NEW YOR pages 41 - 74 R. RAMESH ET AL: 'Variable-Depth Index Optimization: Theory and Experimental Results' * page 42, line 1 - page 43, line 1 figure 1 *		17,23, 31,34	TECHNICAL FIELDS SEARCHED (Int. CL5)
	The present search report has b	Date of completion of the sourch	1	Executaer
	THE HAGUE	10 DECEMBER 1992		FOURNIER C.D.J.
Y: pa do A: tec O: so	CATEGORY OF CITED DOCUME rticularly relevant if taken alone rticularly relevant if combined with an cament of the same category theological background a-written disclosure semediate document	E : earlier patent after the filing other D : document cite L : document cite	ciple underlying the document, but pub g date d in the application d for other reasons a same patent fami	lished on, or